

SEPARATION DISTANCE CALCULATION using NF C 17-102 DEC 2011


File : **New.nps**

Customer:

Date: **04-2022**

Project : **IVUC ASTORKA,Brno**

Element: **jimac**

PARAMETERS	Values	Variables	Coefficients	Remarks
PROTECTION LEVEL	protection level: III	Np	Ki = 0.04	Ki depends on the protection level.
EARTHING SYSTEM	Type of Earthing ter Type B (Ring earthing)			
DOWN CONDUCTORS	Number of conductors: 4 Distance between 2 conductors (m): 25	n c		
RING CONDUCTOR	Ring conductor height (m): 0	h	Kc = 0.25	Kc depends on the cdr.down current
SEPARATION MATERIALS	Materials Air		Km = 1.00	Km depends on the insulation materials. When several insulating materials are added, it is good to us the lower value of km.
DISTANCE BETWEEN THE VOLTAGE BREAKING POINT AND THE BONDING CONNECTION	Down conductors vertical height along Lightr.Cond (m) 42	l		
SEPARATION DISTANCE RESULT	Separation Distance S(m) = 0.42		Kc par NF C 17102	 <p>Certification Qualifoudre INERIS 051166662001</p>

SEPARATION DISTANCE CALCULATION using NF C 17-102 DEC 2011


File : **New.nps**

Customer:

Date: **04-2022**

Project : **IVUC ASTORKA,Brno**

Element: **jimac**

PARAMETERS	Values	Variables	Coefficients	Remarks
PROTECTION LEVEL	protection level: III	Np	Ki = 0.04	Ki depends on the protection level.
EARTHING SYSTEM	Type of Earthing ter Type B (Ring earthing)			
DOWN CONDUCTORS	Number of conductors: 4 Distance between 2 conductors (m): 25	n c		
RING CONDUCTOR	Ring conductor height (m): 0	h	Kc = 0.25	Kc depends on the cdr.down current
SEPARATION MATERIALS	Materials Concrete, Brick		Km = 0.50	Km depends on the insulation materials. When several insulating materials are added, it is good to us the lower value of km.
DISTANCE BETWEEN THE VOLTAGE BREAKING POINT AND THE BONDING CONNECTION	Down conductors vertical height along Lightr.Cond (m) 42	l		
SEPARATION DISTANCE RESULT	Separation Distance S(m) = 0.84		Kc par NF C 17102	 <p>Certification Qualifoudre INERIS 051166662001</p>

SEPARATION DISTANCE CALCULATION using NF C 17-102 DEC 2011


File : **New.nps**

Customer:

Date: **04-2022**

Project : **IVUC ASTORKA,Brno**

Element: **atika**

PARAMETERS	Values	Variables	Coefficients	Remarks
PROTECTION LEVEL	protection level: III	Np	Ki = 0.04	Ki depends on the protection level.
EARTHING SYSTEM	Type of Earthing ter Type B (Ring earthing)			
DOWN CONDUCTORS	Number of conductors: 4 Distance between 2 conductors (m): 25	n c		
RING CONDUCTOR	Ring conductor height (m): 0	h	Kc = 0.25	Kc depends on the cdr.down current
SEPARATION MATERIALS	Materials Air		Km = 1.00	Km depends on the insulation materials. When several insulating materials are added, it is good to us the lower value of km.
DISTANCE BETWEEN THE VOLTAGE BREAKING POINT AND THE BONDING CONNECTION	Down conductors vertical height along Lightn.Cond (m) 23	l		
SEPARATION DISTANCE RESULT	Separation Distance S(m) = 0.23		Kc par NF C 17102	 <p>Certification Qualifoudre INERIS 051166662001</p>

SEPARATION DISTANCE CALCULATION using NF C 17-102 DEC 2011


File : **New.nps**

Customer:

Date: **04-2022**

Project : **IVUC ASTORKA,Brno**

Element: **atika**

PARAMETERS	Values	Variables	Coefficients	Remarks
PROTECTION LEVEL	protection level: III	Np	Ki = 0.04	Ki depends on the protection level.
EARTHING SYSTEM	Type of Earthing ter Type B (Ring earthing)			
DOWN CONDUCTORS	Number of conductors: 4 Distance between 2 conductors (m): 25	n c		
RING CONDUCTOR	Ring conductor height (m): 0	h	Kc = 0.25	Kc depends on the cdr.down current
SEPARATION MATERIALS	Materials Concrete, Brick		Km = 0.50	Km depends on the insulation materials. When several insulating materials are added, it is good to us the lower value of km.
DISTANCE BETWEEN THE VOLTAGE BREAKING POINT AND THE BONDING CONNECTION	Down conductors vertical height along Lightn.Cond (m) 23	l		
SEPARATION DISTANCE RESULT	Separation Distance S(m) = 0.46		Kc par NF C 17102	 <p>Certification Qualifoudre INERIS 051166662001</p>